



Proposed Amendments to the California Consumer Products Regulations

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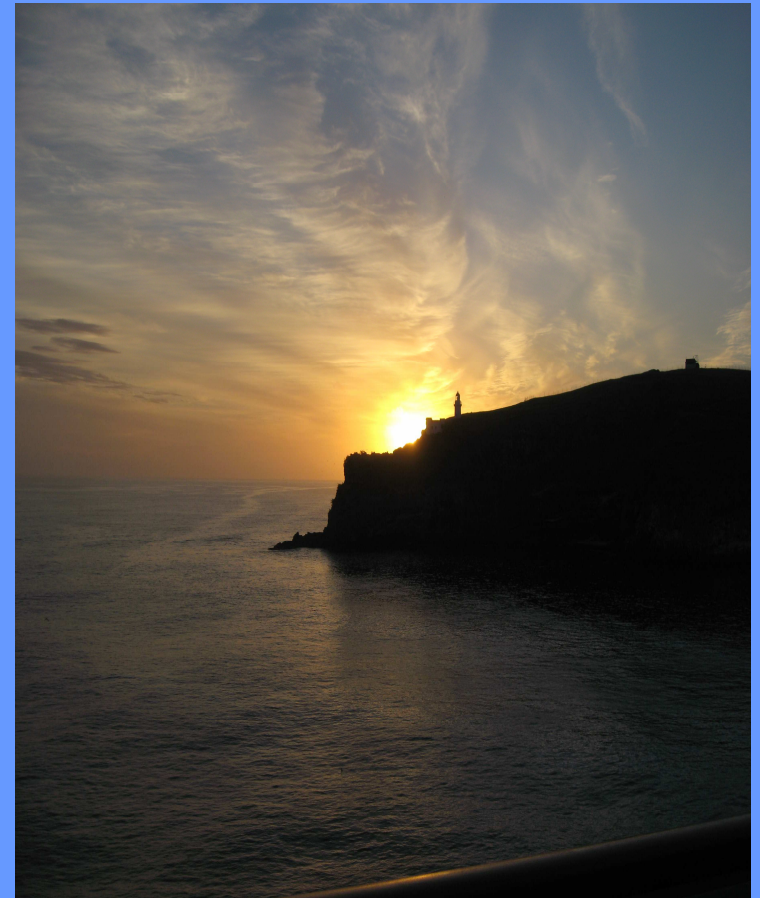


California Environmental Protection Agency

Air Resources Board

Presentation Overview

- Background
- Proposed Amendments
- Economic Impacts
- Environmental Impacts
- Proposed Modifications
- Comments
- Ongoing Work
- Recommendation



Consumer Products

- Chemically formulated
- Used by household and institutional consumers
- Include household, home and garden, personal care, aerosol paint, automotive maintenance products, etc.



Mandate to Control Consumer Product VOC Emissions

- Health and Safety Code 41712
 - Achieve maximum feasible reduction in VOCs
 - Technologically and commercially feasible regulations
 - Preserve product forms
- VOC Statewide Strategy Target (SIP):
 - 30 – 40 tons per day by 2014

On Track With 2014 SIP Target

Consumer Products Rulemaking	VOC Reductions (tons per day)
June 2008 Amendments	4.5
September 2009 Amendments	14.7
2010 Cleaning Products Amendments	5 – 8
Additional Reductions from 2006 Survey Product Categories	5.8 – 12.8
Total Reductions by January 1, 2014	30 – 40

Proposed Amendments

- Double Phase Aerosol Air Fresheners
 - Air fresheners that must be shaken to mix contents before use
- Multi-purpose Solvents
 - Liquid products designed to remove contaminants
 - Products labeled without specific use instructions
 - Paint clean-up and surface preparation products
- Paint Thinners
 - Liquid products used to thin paint or lacquer
- Total VOC reduction = 14.7 tons per day

Development of Proposed Amendments

- 2003 Consumer & Commercial Products Survey
- 2006 Consumer & Commercial Products Survey
- 2008 Paint Thinners & Multi-purpose Solvents Survey Update
- Two public workshops
- Numerous individual meetings and teleconferences

Proposed Categories, VOC Limits, and Effective Dates

Product Category	Proposed VOC Limit (wt%)	Effective Date
Air Freshener Double Phase Aerosol	20	12/31/2012
Multi-purpose Solvent* Tier 1 Tier 2	30 3	12/31/2010 12/31/2013
Paint Thinner* Tier 1 Tier 2	30 3	12/31/2010 12/31/2013

* Previously unregulated category

Proposed Global Warming Potential Limit

- GWP limit of 150 for:
 - Multi-purpose Solvents and Paint Thinners, effective 12/31/2010
 - Double Phase Aerosol Air Fresheners, effective 12/31/2012



Proposals Specific to Multi-purpose Solvents and Paint Thinners

- Prohibit use of methylene chloride, perchloroethylene, and trichloroethylene
- Limit aromatic VOC content to 1%
- Require labeling
 - VOC Content
 - Safety
- Report data for technical assessment
- Exempt Artists' Solvents/Thinners

Other Proposed Amendments

- Provide temporary 8 fluid ounce container exemption for Paint Thinner
- Clarify definitions and provisions
 - Automotive Windshield Washer Fluid
- Clarify Method 310 procedures used for low-VOC, high-water content products

Economic Impacts

- Cost-effectiveness
 - \$0.29 per pound of VOC reduced
- Manufacturing cost increases will likely be passed on to consumers
- Cost to consumers
 - No cost for Double Phase Aerosol Air Fresheners
 - \$1.50 per year for Multi-purpose Solvents and Paint Thinners
 - \$8.00 per year for painting contractors

Environmental Impacts

- VOC reduction of 14.7 tons per day (tpd)
 - 2.0 tpd from Double Phase Aerosol Air Fresheners
 - 12.7 tpd from Thinners and Solvents
- Toxics prohibitions prevent potential exposure to carcinogens
- Aromatic VOC provision prevents the use of highly reactive ingredients
- Labeling provision addresses public safety concerns
- No significant adverse impacts

Proposed Modifications

- Modify Multi-purpose Solvent definition
- Remove VOC content labeling
- Revise flammable or extremely flammable product labeling provision
 - Font size
 - Spanish translation
- Revise enforcement provision for aromatic VOC limit
 - Allow manufacturers 30 days to provide formulation data
- Evaluate aromatic compound definition and testing procedures

Comments

Multi-purpose Solvents and Paint Thinners

- The effective date for the 3% VOC limit should be earlier
- The 1% aromatic VOC limit should be removed
- ARB should adopt reactivity-based standards

Ongoing Work

- Cleaning products
- Dry-clean only spot removers
- Paint removers or strippers
- Evaluate other categories for VOC and greenhouse gas reductions
- Nail coatings exposure assessment

Recommendation

- Adopt amendments with modifications proposed

